ProCurve Networking by HP

Network of Choice

Key features

- Zero-configuration service interface
- Advanced bandwidth management capabilities
- Complete IP routing and networking services
- Integrated MultiService Access Point

Datasheet

NEW HP ProCurve MultiService Mobility Integrated Services Outdoor Access Point Series

HP ProCurve MSM313-R and MSM323-R Access Points integrate a full-featured MultiService Mobility Access Point and MultiService Mobility Controller in a single turnkey unit. They are used to create easy-to-use public/guest Internet access (hotspot) services. The zero-configuration service interface adapts to client device configuration settings. Bandwidth management creates multiple service tiers and provides users with fair access to bandwidth. The access points provide secure user authentication, authorization, and accounting (AAA), enabling a wide range of free or fee-based service models. They support HTML and IEEE 802.1X login, and provide interfaces for centralized AAA, captive portal, and billing functions, allowing large multilocation networks.

Features and benefits

Mobility

- **All-in-one simplicity:** The HP ProCurve MSM313-R and MSM323-R Access Points combine a full-featured multiservice access point and multiservice controller in a single easy-to-deploy outdoor enclosure that is ideally suited for public hotspot networks and small enterprise deployments.
- **Award-winning public/guest Internet access service:** The ProCurve MSM313-R and MSM323-R Access Points provide high-speed guest Internet access for up to 25 patrons, guests, and partners. Guest access can be segmented from corporate applications. Easy, Web-based login via a captive, customized portal and zero-configuration service adapts to any client device's IP address and Web proxy settings.
- **Rock-solid security:** Security policies based on user credentials (IEEE 802.1X/EAP), hardware identifiers (MAC address and WEP key), or HTML login are enforced at the network edge to safeguard network and information integrity. Standards-based RADIUS interface provides remote authentication, authorization, and accounting (AAA) system integration and hardware-assisted encryption using WPA2/AES (IEEE 802.11i), WPA/RC4, and/or WEP. There is a built-in stateful firewall for secure connection to the Internet.
- **High-performance, multiservice networking:** ProCurve MSM313-R and MSM323-R Access Points can deliver multiple services simultaneously: networking policies tailored for Quality of Service (QoS), authentication, encryption, bandwidth allocation, and VLANs based on user, device, or application identity. End-to-end QoS is based on TOS/DiffServ, IEEE 802.1p, and TCP/UDP port. IEEE 802.11e Wireless MultiMedia (WMM) and SpectraLink Voice Priority (SVP) provide voice performance.
- **Rich management features:** Activity statistics support per-user billing by data volume and elapsed session time. There is also integrated support for leading third-party hotspot billing services. The self-healing configuration automatically adjusts to changes in the RF environment. The series provides advanced IP networking capabilities, including Adaptive NAT, SMTP redirect, and DHCP services for transparent application support.
- **Location flexibility:**
  - The series features a NEMA-rated enclosure for outdoor mounting and is powered by IEEE 802.3af Power over Ethernet (PoE) for mounting away from AC power sources.

Warranty and support

- **Warranty:** one-year hardware limited warranty with next-business-day advance replacement (available in most countries); warranty extensions are available
- **Electronic and telephone support:** limited electronic and telephone support is available from HP. Refer to the HP Web site at www.procurve.com/support for details on the support provided and the period during which support is available.
- **Software releases:** refer to the HP Web site at www.procurve.com/support for details on the software releases provided and the period during which software releases are available.

Specifications

	HP ProCurve MSM323-R Access Point WW (J9345A)	HP ProCurve MSM313-R Access Point WW (J9354A)
Ports	1 RJ-45 auto-sensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full	1 RJ-45 auto-sensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full
Physical characteristics		
Dimensions (D x W x H)	8.44 x 7.25 x 2.14 in. (21.44 x 18.42 x 5.44 cm)	8.44 x 7.25 x 2.14 in. (21.44 x 18.42 x 5.44 cm)
Weight	9 lb. (4.08 kg)	9 lb. (4.08 kg)
Enclosure	Die cast aluminum with 3-point silicone rubber gasket; compliant with IP65 and EN61373	Die cast aluminum with 3-point silicone rubber gasket; compliant with IP65 and EN61373
Mounting	Includes pole top U-bolts and wall-mounting brackets	Includes pole top U-bolts and wall-mounting brackets
Environment		
Operating temperature	–4°F to 122°F (–20°C to 50°C)	–4°F to 122°F (–20°C to 50°C)
Operating relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Non-operating/Storage temperature	–40°F to 176°F (–40°C to 80°C)	–40°F to 176°F (–40°C to 80°C)
Non-operating/Storage relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Electrical characteristics		
Description	IEEE 802.3af PoE compliant	IEEE 802.3af PoE compliant
Power consumption	8.6 W	6.5 W
Antenna Connector	(2) Waterproof N-type female (one per radio)	(2) Waterproof N-type female with diversity
Antenna	(2) 5.5 dBi 2.4 GHz omnidirectional	(2) 5.5 dBi 2.4 GHz omnidirectional
Frequency band and Operating		
FCC (US and Canada)	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)
European Union	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)
Radio	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)
Safety	UL 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	UL 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
Emissions	EN 301 489-1; EN 301 489-17	EN 301 489-1; EN 301 489-17
RF Exposure	RSS-102; EN 50385	RSS-102; EN 50385
Notes	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g WPA and WPA2 Wireless Multimedia (WMM), WMM Powersave EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/ EAP-MSCHAPv2, PEAPv1/EAP-GTC, EAP-SIM** IEEE 802.11d, IEEE 802.11h Maximum transmit power varies by country.	
Services	3-year, parts only, global next-day advance exchange (UN530E) 3-year, 4-hour onsite, 13x5 coverage for hardware (UN527E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN528E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN529E) 1 Year Post Warranty Next Bus. Day Exchange (UN534PE) 1 Year Post Warranty 4 hour response 13x5 Onsite Support (UN531PE) 1 Year Post Warranty 4 hour response 24x7 Onsite Hardware Support (UN532PE) 1 Year Post Warranty Hardware and Software 24x7 Phone Support (UN533PE) Refer to the HP Web site at www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	3-year, parts only, global next-day advance exchange (UN546E) 3-year, 4-hour onsite, 13x5 coverage for hardware (UN543E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN544E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN545E) 1 Year Post Warranty Next Bus. Day Exchange (UN550PE) 1 Year Post Warranty 4 hour response 13x5 Onsite Support (UN547PE) 1 Year Post Warranty 4 hour response 24x7 Onsite Hardware Support (UN548PE) 1 Year Post Warranty Hardware and Software 24x7 Phone Support (UN549PE) Refer to the HP Web site at www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

Specifications (continued)

	HP ProCurve MSM323-R Access Point WW (J9345A)				HP ProCurve MSM313-R Access Point WW (J9354A)	
HP ProCurve MSM323-R Access Point WW (J9345A)						
Radio characteristics: Dual IEEE 802.11a/b/g						
Data rate	IEEE 802.11a 6 Mbps	IEEE 802.11a 54 Mbps	IEEE 802.11g 6 Mbps	IEEE 802.11g 54 Mbps	IEEE 802.11b 1 Mbps	IEEE 802.11b 11 Mbps
Receiver sensitivity	–87 dBm	–67 dBm	–87 dBm	–70 dBm	–87 dBm	–87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm
HP ProCurve MSM313-R Access Point WW (J9354A)						
Radio characteristics: IEEE 802.11a/j/b/g						
Data rate	IEEE 802.11a/j 6 Mbps	IEEE 802.11a/j 54 Mbps	IEEE 802.11g 6 Mbps	IEEE 802.11g 54 Mbps	IEEE 802.11b 1 Mbps	IEEE 802.11b 11 Mbps
Receiver sensitivity	–87 dBm	–67 dBm	–87 dBm	–70 dBm	–87 dBm	–87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm

Specifications

	HP ProCurve MSM323-R Access Point US (J9342A)	HP ProCurve MSM313-R Access Point US (J9351A)
Ports	1 RJ-45 auto-sensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full	1 RJ-45 auto-sensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full
Physical characteristics		
Dimensions (D x W x H)	8.44 x 7.25 x 2.14 in. (21.44 x 18.42 x 5.44 cm)	8.44 x 7.25 x 2.14 in. (21.44 x 18.42 x 5.44 cm)
Weight	9 lb. (4.08 kg)	9 lb. (4.08 kg)
Enclosure	Die cast aluminum with 3-point silicone rubber gasket; compliant with IP65 and EN61373	Die cast aluminum with 3-point silicone rubber gasket; compliant with IP65 and EN61373
Mounting	Includes pole top U-bolts and wall-mounting brackets	Includes pole top U-bolts and wall-mounting brackets
Environment		
Operating temperature	–4°F to 122°F (–20°C to 50°C)	–4°F to 122°F (–20°C to 50°C)
Operating relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Non-operating/Storage temperature	–40°F to 176°F (–40°C to 80°C)	–40°F to 176°F (–40°C to 80°C)
Non-operating/Storage relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Electrical characteristics		
Description	IEEE 802.3af PoE compliant	IEEE 802.3af PoE compliant
Power consumption	8.6 W	6.5 W
Antenna Connector	(2) Waterproof N-type female (one per radio)	(2) Waterproof N-type female with diversity
Antenna	(2) 5.5 dBi 2.4 GHz omnidirectional	(2) 5.5 dBi 2.4 GHz omnidirectional
Frequency band and Operating		
FCC (US and Canada)	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)
European Union	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)
Radio	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)
Safety	UL 60950-1	UL 60950-1
Emissions	EN 301 489-1; EN 301 489-17	EN 301 489-1; EN 301 489-17
RF Exposure	FCC Bulletin OET-65C	FCC Bulletin OET-65C
Notes	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g WPA and WPA2 Wireless Multimedia (WMM), WMM Powersave EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, EAP-SIM** IEEE 802.11d, IEEE 802.11h Maximum transmit power varies by country.	
Services	3-year, parts only, global next-day advance exchange (UN530E) 3-year, 4-hour onsite, 13x5 coverage for hardware (UN527E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN528E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN529E) 1 Year Post Warranty Next Bus. Day Exchange (UN534PE) 1 Year Post Warranty 4 hour response 13x5 Onsite Support (UN531PE) 1 Year Post Warranty 4 hour response 24x7 Onsite Hardware Support (UN532PE) 1 Year Post Warranty Hardware and Software 24x7 Phone Support (UN533PE) Refer to the HP Web site at www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	3-year, parts only, global next-day advance exchange (UN546E) 3-year, 4-hour onsite, 13x5 coverage for hardware (UN543E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN544E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN545E) 1 Year Post Warranty Next Bus. Day Exchange (UN550PE) 1 Year Post Warranty 4 hour response 13x5 Onsite Support (UN547PE) 1 Year Post Warranty 4 hour response 24x7 Onsite Hardware Support (UN548PE) 1 Year Post Warranty Hardware and Software 24x7 Phone Support (UN549PE) Refer to the HP Web site at www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

Specifications (continued)

	HP ProCurve MSM323-R Access Point US (J9342A)				HP ProCurve MSM313-R Access Point US (J9351A)	
HP ProCurve MSM323-R Access Point US (J9342A)						
Radio characteristics: Dual IEEE 802.11a/b/g						
Data rate	IEEE 802.11a 6 Mbps	IEEE 802.11a 54 Mbps	IEEE 802.11g 6 Mbps	IEEE 802.11g 54 Mbps	IEEE 802.11b 1 Mbps	IEEE 802.11b 11 Mbps
Receiver sensitivity	–87 dBm	–67 dBm	–87 dBm	–70 dBm	–87 dBm	–87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm
HP ProCurve MSM313-R Access Point US (J9351A)						
Radio characteristics: IEEE 802.11a/j/b/g						
Data rate	IEEE 802.11a/j 6 Mbps	IEEE 802.11a/j 54 Mbps	IEEE 802.11g 6 Mbps	IEEE 802.11g 54 Mbps	IEEE 802.11b 1 Mbps	IEEE 802.11b 11 Mbps
Receiver sensitivity	–87 dBm	–67 dBm	–87 dBm	–70 dBm	–87 dBm	–87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm

HP ProCurve MultiService Mobility Integrated Services Outdoor Access Point Series accessories

HP ProCurve 1-Port Power Injector (J9407A)

For more information

To learn more about HP ProCurve Networking, please visit **ProCurve.com**

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